



PRODUCT DATA

PD 141

AQUARIGHT FC - A 1100 pwg

DESCRIPTION AND USE

The AQUARIGHT FC – A 1100 pwg (Potable Water Grade) is anionic high molecular weight as coagulant aids or sludge conditioning agents in solid-liquid separation processes in a wide variety of industries. Since the residual acrylamide monomer content is controlled under 0.05%, these product is available to be used in the municipal water treatment and sugar production.

AQUARIGHT FC – A 1100 pwg should be properly diluted to 0.1 – 0.5 % concentration. Dissolution should be completed around one hour of agitation, but will be faster in warm water. However, the temperature of water should be refrained from above 50°C.

GENERAL SPECIFICATION

Appearance	:	White powder
pH of 0.1% solution @ 25°C	:	6 - 8
Bulk Density Compacted g/ml	:	0.70 – 0.73
Solution Viscosities (cps) ³	:	
0.05%	:	100 - 150
0.10%	:	200 - 320
0.20%	:	360 - 550
Residual Acrylamide, wt%	:	0.05 % max

TREATMENT AND DOSAGE REQUIREMENTS

For optimum results polymer should be added as a dilute solution of 0.1% or less. Polymer should be added at a point of turbulence in the system to ensure adequate mixing, followed by less turbulent conditions to allow flock build up. Multiple point flocculant addition will result in more efficient performance.

Generally, dosage depends upon the raw water/sugar conditions.

The treatment levels is recommended for :

- Flocculant	:	0.2 - 2.0	mg/L
- Coagulants aid	:	0.05 - 1.0	mg/L
- Filtration aids	:	0.01 - 0.1	mg/L
- Sludge dewatering	:	0.05 – 0.2% Dry solid	

PRODUCT BENEFITS

Fast settling rates
Effective at very low dosage rates
Easily soluble in water
Solid product reduces storage requirement
Works over a wide pH range and does not alter the system pH and achieve high solids removal efficiencies.

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